

APPENDIX A: ACRONYMS

A

ABD	Architecture Block Diagram
AC	Alternating Current
AMP	Analysis Management Plan
AMS	Acquisition Management System
AND	Associate Administrator for NAS Development
ANSI	American National Standards Institute
APB	Acquisition Program Baseline
AR	Acquisition Review
ARP	Aerospace Recommended Procedure
ASR	Airport Surveillance Radar
ATM	Air Traffic Management
ATM	Automated Teller Machine

C

C&A	Certification and Accreditation
CCB	Configuration Control Board
CDRL	Contract Data Requirements List
CFD	Control Flow Diagram
CFE	Contractor-Furnished Equipment
CHI	Computer-Human Interface
CI	Configuration Item
CM	Configuration Management
CNS	Communications, Navigation, and Surveillance
CONOPS	Concept of Operations
COTS	Commercial-Off-the-Shelf
CSA	Comparative Safety Assessment
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CSE	Computer Software Elements
CSU	Computer Software Unit

D

DAR	Design Analysis Report
DC	Direct Current
DD	Data Dictionary
DFD	Data Flow Diagram
DoD	Department of Defense
DOORS	Dynamic Object-Oriented Requirements System

E

E ³	Electromagnetic Environmental Effects
ECP	Environmental Compliance Plan
EIA	Electronic Industries Alliance

EM	Electromagnetic
EMC	Electromagnetic Compatibility
EME	Electromagnetic Environment
EMI	Electromagnetic Interference
EPA	Environmental Protection Agency

F

FAA	Federal Aviation Administration
FAD	Functional Analysis Document
FAE	Federal Acquisition Executive
FAR	Functional Architecture Referencing
FAST	Federal Aviation Administration Acquisition System Toolset
FBR	Functional Baseline Review
FCC	Federal Communications Commission
FFD	Functional Flow Diagram
FISMA	Federal Information Security Management Act
FMEA	Failure Modes and Effects Analysis
FMECA	Failure Modes and Effects Criticality Analysis
FMES	Failure Modes and Effects Summary
FRACAS	Failure Reporting Analysis and Corrective Action System
fRD	final Requirements Document
FTA	Fault Tree Analysis

G

GAO	General Accounting Office
GPS	Global Positioning System

H

HERF	Hazard of EM Radiation to Fuels
HERP	Hazard of EM Radiation to Personnel
HMM/EE	Hazardous Material Management/Environmental Engineering
HWCI	Hardware Configuration Item

I

IA	Investment Analysis
IARR	Investment Analysis Readiness Review
IAW	In Accordance With
ICAO	International Civil Aviation Organization
ICD	Interface Control Document
iCMM	integrated Capability Maturity Model
ICR	Interface Change Request
IDEF	Integrated Definition for Function Modeling
IEEE	Institute of Electrical and Electronics Engineers, Inc.
I/F	Interface
IFR	Instrument Flight Rules
IM	Interface Management
IPP	Integrated Program Plan

IPS	Integrated Program Schedule
IR	Infrared
iRD	initial Requirements Document
IRD	Interface Requirements Document
IRT	Integrated Requirements Team
ISE	Information Security Engineering
ISO	International Organization for Standardization
ISRR	Initial System Requirements Review
ISS	Information Systems Security
ISSP	Integrated Safety System Program
ITP	Integrated Technical Planning
IWG	Interface Working Group
J	
JRC	Joint Resources Council
L	
LCE	Lifecycle Engineering
M	
MA	Mission Analysis
M&C	Monitor and Control
MASPS	Minimum Aviation System Performance Standards
MIL-STD	Military Standard
MND	Mission Need Decision
MNS	Mission Need Statement
MOE	Measures of Effectiveness
MOPS	Minimum Operational Performance Standards
MRS	Mature Requirements Statement
MTBF	Mean-Time-Between-Failure
MTTR	Mean-Time-To-Restore
MVP	Master Verification Plan
N	
N ²	N-squared
NAS	National Airspace System
NCP	NAS Change Proposal
NDI	Nondevelopmental Item
NIST	National Institute of Standards
O	
OMB	Office of Management and Budget
OOA	Object-Oriented Analysis
ORD	Operational Requirements Document
OSA	Operational Safety Assessment
OSD	Operational Services and Environmental Description

OSHA	Occupational Safety and Health Administration
OSI	Open System Interconnection

P

PBM	Process-Based Management
PDR	Preliminary Design Review
PHA	Preliminary Hazard Analysis
PIN	Personal Identification Number
PRS	Primitive Requirements Statement
P-Spec	Process Specification
PTR	Program Trouble Report
PUI	Program-Unique Identifier

Q

QFD	Quality Function Deployment
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R

RADHAZ	Radiation Hazard
RCM	Reliability-Centered Maintenance
RDGT	Reliability Development Growth Testing
RF	Radio Frequency
RFP	Request for Proposal
RM	Requirements Management
RMA	Reliability, Maintainability, Availability
ROM	Rough Order of Magnitude
RPG	Radar Product Generator
RVCD	Requirements Verification Compliance Document

S

SAE	Society of Automotive Engineers
SARP	Standards and Recommended Practices
SBD	Schematic Block Diagram
SDP	Software Development Process
SDR	System Design Review
SE	System Engineering
SEC	System Engineering Council
SEM	System Engineering Manual
SEMP	System Engineering Management Plan
SFRA	System Functional Requirements Analysis
SHA	System Hazard Analysis
SI	Solution Implementation
SOW	Statement of Work
SP	Special Publication
SpecEng	Specialty Engineering
SRVT	Safety Requirements Verification Table
SSAR	System Safety Assessment Report
SSE	System Safety Engineering

SSH	System Safety Handbook
SSHA	Subsystem Hazard Analysis
SSMP	System Safety Management Plan
SSP	System Security Plan
SSPP	System Safety Program Plan
SSWG	System Safety Working Group
STD	Standard
STD	State Transition Diagram
T	
T&E	Test and Evaluation
TLS	Time Line Sheet
TPM	Technical Performance Measure
U	
UML	Unified Modeling Language
URL	Uniform Resource Locator
V	
VFR	Visual Flight Rules
VOR	Very High Frequency Omnidirectional Range
VRR	Verification Readiness Review
VRTM	Verification Requirements Traceability Matrix
W	
WARP	Weather and Radar Processor
WBS	Work Breakdown Structure
WSP	Weather System Processor